

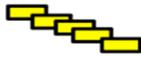
8th February 2021

Monday, January 25, 2021 2:01 PM

Today, we will be looking at adding and subtracting decimal numbers! If you apply what you already know about adding and subtracting, then you will be absolutely fine!

04.02.20

TBQ: Can I add and subtract decimal numbers?

 STEPS TO SUCCESS	Key Vocabulary
<p>I can use the vocabulary tenths and hundredths accurately.</p> <p>I understand the value of the digits, including those within a decimal number.</p> <p>I can add and subtract using the column method.</p> <p>I can check my answers using the inverse.</p>	<p>tenth</p> <p>hundredth</p> <p>thousandth</p> <p>decimal point</p> <p>whole number</p>

Counting

Count forwards in 6's from -24.

What patterns can you see?

Will you land on 0?

5 minute challenge

1) $0.062 \times 1000?$

2) $? + 15 = 12 \times 4$

3) $36,592 + 24,684 =$

4) $7^2 - 3^3 =$

5) $364 \times 16 =$



Starter

Rearrange the cards so that they make four accurate calculations.

Starter

\div \times $=$

100 35 0.62 100
 3.5 350 0.062 62
 10 1000 6.2 0.35

Remember to use this weeks vocabulary to help explain your answer.

 Flamin hot - Create number sentences such as
 $35 \div 10 = 0.035 \times 100$

Main Teaching Session

Here is how we would find the total of $3.65 + 6.21$.

What do you notice that is the same as our normal column method of whole numbers?

	O . t h	←	
+	3 . 6 5		Numbers are lined up neatly in the correct columns.
	6 . 2 1		
	9 . 8 6	←	You add up one column at a time from right to left.

Your turn!

$16.15 + 18.36 =$

$12.01 + 16.36 =$

The temperature in the classroom was 21.8°C . It dropped by 4.2°C . What was the temperature after the drop?

Step 1: Do we need to add or subtract? **Subtract**

Step 2: Write the numbers neatly in a column

$$\begin{array}{r} 21.8 \\ - 4.2 \\ \hline \end{array}$$

Step 3: Subtract!

$$\begin{array}{r} 1 \\ \cancel{2}1.8 \\ - 4.2 \\ \hline 17.6 \end{array}$$

Your turn!

$$12.96 - 5.16 =$$

$$15.63 - 10.15 =$$

Reasoning Rex

[Microsoft Stream](#)

Monday Rex

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$$\begin{array}{r} + 4.5 \\ 10.95 \end{array} \quad B -$$

Chilli Challenge

Mild:

1. The temperature in the classroom was 21.8°C . Claire left the door open and the temperature dropped by 3.7°C . What was the temperature now?

2. Sarah was 88.49 cm tall when she was 3 years old. By the time she was 18, Sarah had grown a further 83.91 cm. How tall was she when she was 18?
3. Long-haired Lucy decided it was time for a new haircut. She went to the hairdressers with hair 74.2 cm long. When she left it was 21.6cm long. How much had the hairdressers taken off?
4. A piece of carpet was 6.5m long. Another 2.13m was added to it. How long was the carpet in total?
5. The temperature in Tamworth on Saturday will be 6.5°C. In Australia, the temperature will be 19.8°C. What is the difference in temperature?

Hot

		Hull	York	Leeds
Adult	single	£12.50	£15.60	£10.25
	return	£23.75	£28.50	£19.30
Child	single	£8.50	£10.80	£8.25
	return	£14.90	£17.90	£14.75

1. Look at the table above
 - a. What is the total cost for a return journey to York for one adult and one child?
 - b. What is the total cost for a return to Hull and a single to Leeds for two adults?
2. Colin lived in Scotland and was going to take his caravan on holiday to France. On the first day he travelled 472.87 miles to Portsmouth. He got a ferry which travelled 73.92 miles. He then got off the ferry and drove 134.56 miles to the camp site.
 - a. How far did Colin travel to the camp site?
 - b. He drove a scenic way home which added another 93.45miles to his journey. How far did he now travel?
3. The temperature in the classroom was 21.8 °C. Claire left the door open and the temperature dropped by 3.7 °C. Rohan turned the

radiators up and the classroom temperature rose by 5.7°C . What was the temperature now?

Flaming Hot

Dan bought a packet of crisps and an ice cream.
The cost of both of them together is in one of the boxes below.

£1.85	75p	£1.74	£2.25	£1	£1.56
£2.10	80p	£1.80	£3.06	£1.44	£1.50
£1.60	£1.25	£1.20	90p	£1.45	£1.27

Use these clues to find out how much he paid:

1. You need more than three coins to make this amount.
2. There would be change when using most valuable coin to buy them.
3. The crisps cost more than 50p.
4. You could pay without using any copper coins.
5. The ice cream costs exactly twice as much as the crisps.